

The CERN Accelerator School  
is organizing a course on

# PLASMA WAKE ACCELERATION

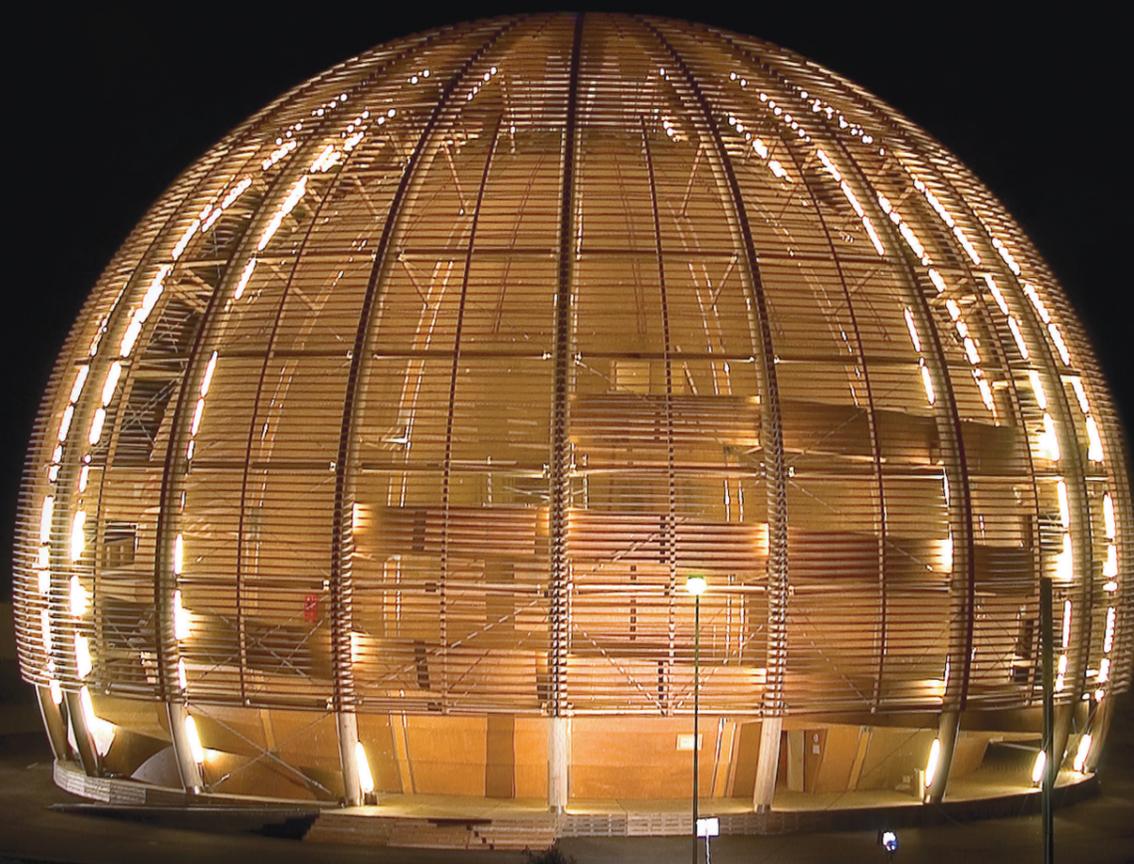
23-29 November, 2014

CERN, Geneva, Switzerland

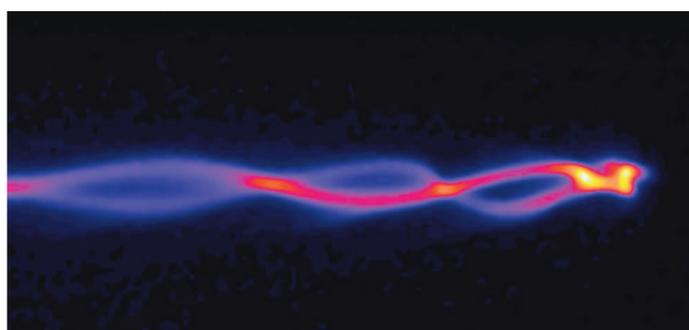
The course will be of interest to staff and students in accelerator laboratories, university departments and companies working in or having an interest in the field of new acceleration techniques.

Following introductory lectures on plasma and laser physics, the course will cover the different components

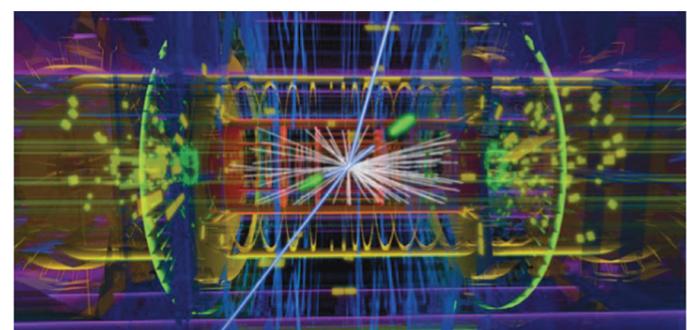
of a plasma wake accelerator and plasma beam systems. An overview of the experimental studies, diagnostic tools and state of the art wake acceleration facilities, both present and planned, will complement the theoretical part. Topical seminars and a visit of CERN will complete the programme.



Electron bunch accelerated by a plasma wake field, court. Esary, Kotaki, Faure



Betatron Oscillations observed in a PWA electron beam, court. Z. Najmudin



Higgs boson decaying into electrons & muon pairs (court. ATLAS collab.)